

**METHOD FOR GENERATING LIBRARIES OF ANTIBODY GENES  
COMPRISING AMPLIFICATION OF DIVERSE ANTIBODY DNAs  
AND METHODS FOR USING THESE LIBRARIES FOR THE  
PRODUCTION OF DIVERSE ANTIGEN COMBINING MOLECULES**

**ABSTRACT**

A method of producing libraries of genes encoding antigen-combining molecules or antibodies is described. In addition, a method of producing antigen-combining molecules which does not require an *in vivo* procedure is described. Vectors useful in the present method and antigen-combining molecules produced by the method are discussed. The antigen-combining molecules are useful for the detection, quantitation, purification and neutralization of antigens, as well as for diagnostic, therapeutic and prophylactic purposes.